the recording medium when the manufacturer identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or the modification; and

determining whether to read the content based upon the read manufacturer identification information.

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 11, 13, 15, 28, and 31 have been amended. The claims have been amended to improve clarity of the claimed features of the present application. No new matter is being presented, and approval and entry are respectfully requested.

Claims 11-43 are pending and under consideration.

REQUEST FOR INTERVIEW WITH EXAMINER

If all of the claims continue to be rejected over Ohno and Buchanan after reconsideration of the claims, the Examiner is respectfully requested to contact the undersigned by telephone to arrange an Examiner Interview prior to issuance of the next Office Action.

REJECTION UNDER DOUBLE PATENTING:

In the Advisory Action, at page 2, claims 11-12, 15-23, 39, and 41 were rejected under the judicially created doctrine of provisional obviousness-type double patenting as being unpatentable over claims 1, 2, 15-17, 20-21, 23, 25, 27, and 45 of copending application No. 09/337,253, parent application of the above-referenced application. Further, claims 13-14 and 24-38, 40, and 42-43 were rejected under the judicially created doctrine of provisional obviousness-type double patenting as being unpatentable over claims 1, 3, 15-17, 20-21, 23, 25, 27, and 45 of copending application No. 09/337,253 in view of U.S. Patent No. 6,038,366 to Ohno et al. Claims 11-43 were rejected under the judicially created doctrine of provisional obviousness-type double patenting as being unpatentable over claims 4-5, 7, 16-31, 33-39, 40-

41, and 44 of copending application No. 9/610,380, divisional application of the above-referenced application. Applicants will address the provisional obviousness-type double patenting rejections once the pending rejections to the claims are resolved.

In the Advisory Action, at page 3, claims 11-43 were rejected in view of U.S. Patent No. 6,038,366 to Ohno et al. ("Ohno") in view of U.S. Patent No. 5,758,355 to Buchanan ("Buchanan"). This rejection is traversed and reconsideration is requested.

The Advisory Action referred to column 6, lines 25-30 of Ohno. Although Ohno does appear to mention VTR manufacture number data, a currently loaded tape ID number, and a serial tape number as tape map information, Ohno does not teach or suggest that the VTR manufacture number data comprises "**recording** identification information of a manufacturer of the recording apparatus on a recording medium **when the identification information is different from a pre-recorded manufacturer identification information on the recording medium**, prior to the recording or modification," emphasis added, as recited in independent claim 11. Rather, Ohno checks whether the VTR manufacture number data as fetched from the tape coincides with the VTR manufacture number stored in the library memory 4 shown in FIG. 1. Unless coincidence is found, this control processing is terminated by regarding the tape as loaded is not the one of concern. If coincidence is found, in a step S12, the tape list information and the program list information **are read out** from the library memory 4 shown in FIG. 1. Ohno fails to teach or suggest recording "when the identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or modification," as recited in independent claim 11.

Ohno recognizes that a problem of erroneous recognition of a tape can satisfactorily be coped with by using as tape identification information the manufacture number (i.e., the VTR manufacture number) of the magnetic recording/reproducing apparatus that was used for recording programs on the tape. See column 2, lines 30-37. However, Ohno does not recognize recording the identification code of the manufacturer "when the identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or modification," as recited in independent claim 11. Accordingly, Ohno fails to anticipate independent claim 11 and related dependent claim 12.

Buchanan generally describes a server including a plurality of tables, which is accessible on a server computer system. See abstract. The server includes storage media encoded with the server database. See column 4, lines 22-26. According to Buchanan, company records, for example, may indicate not only which companies are associated with a particular team, but also

may identify records in a contact table that specify the contact persons at the company. See column 2, lines 33-37. The Contact Table of Buchanan includes contact id., first name, last name, company id., row id., modify date, and modify employee. See column 8, lines 40-50. However, similarly to Ohno, Buchanan fails to teach or suggest "recording identification information of a manufacturer of the recording apparatus on a recording medium when the identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or modification," as recited in independent claim 11. Rather, the Contact Table appears to merely list employees of different companies modifying a company's records. There is no teaching or suggestion in Buchanan that the Contact Table stores "identification information of a manufacturer of a recording apparatus . . . when the identification information is different from a pre-recorded manufacturer identification information on the recording medium," as recited in independent claim 11. The identification information includes employees modifying records that are related to a team for which an associated remote employee is included. See column 7, lines 47-52.

Accordingly, Buchanan and Ohno, individually or combined, fail to teach or suggest all the claimed features of independent claim 11 and related dependent claims. It is respectfully asserted that independent claims 11 and related dependent claim 12 are allowable in view of the prior art of record.

It is the Applicants' position that only the present invention sets forth all the claimed features, as well as the motivation for combining the same. The outstanding rejection would appear to have taken the teachings of the present invention and applied the same to generate a combination of Ohno and Buchanan as set forth in the Advisory Action. In view of the foregoing, it is respectfully requested that independent claim 11 and related dependent claim 12 be allowed.

Referring to independent claim 13, according to the Office Action, column 6 of Ohno, lines 25-30, teaches the claimed features of independent claim13. The referred portion of Ohno describes a control procedure where a preliminary play-back operation is carried out to read out tape map information recorded in a video signal. Specifically, the control procedure checks whether the VTR manufacture number data as fetched from the tape coincides with the VTR manufacture number stored in the library memory 4 shown in FIG. 1. According to Ohno, unless coincidence is found, this control processing is terminated. The tape map information, as described by Ohno, concerns the contents of program(s) recorded on the loaded tape, temporal duration(s) of the program(s), and history of play-back of the tape. See abstract.

However, the tape map information does not teach or suggest that the table map information "is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or the modification," as recited in independent claim 13. Nowhere in the referred portion of Ohno, or anywhere else in the reference, is there a teaching or suggestion of the claimed features of independent claim 13. Specifically, Ohno fails to teach or suggest "verifying a coincidence of identification information recorded on the recording medium of a manufacturer of a device which recorded or modified the content of the recording medium against manufacturer identification information of the recording/reproducing apparatus to determine whether manufacturer specific information of the recording/reproducing apparatus is effective," as recited in independent claim 13.

Furthermore, the Office Action correctly recognized that Ohno fails to teach or suggest, "the identification information of the manufacturer is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or the modification," as recited in independent claim 13. Accordingly, the Office Action refers to similar portions of Buchanan to reject this claimed feature of independent claim 13 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claim 11. The arguments presented above supporting the patentability of independent claim 11 in view of Buchanan are incorporated herein to support the patentability of independent 13 and related dependent claim 14. In view of the foregoing, it is respectfully requested that independent claim 13 and related dependent claim 14 be allowed.

Likewise, the Office Action refers to similar portions of the cited references to reject independent claims 15, 28, and 31 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claims 11 and 13. The arguments presented above supporting the patentability of independent claims 11 and 13 in view of Ohno and/or Buchanan are incorporated herein to support the patentability of independent claims 15, 28, and 31. Accordingly, Ohno and/or Buchanan, individually or combined, fail to teach or suggest all the claimed features of independent claims 11, 13, 15, 28, and 31. It is respectfully requested that independent claims 11, 13, 15, 28, and 31 and related dependent claims be allowed.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot, and further, that all

pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance, which action is earnestly solicited.

If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any underpayments or overpayments of fees associated with the filing of this Amendment, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: March 25, 2003

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND claims 11, 13, 15, 28, and 31. The remaining claims are reprinted, as a convenience to the Examiner, as they presently stand before the U.S. Patent and Trademark Office.

11. (FOUR TIMES AMENDED) A method of recording and/or editing content on a data recording medium, comprising:

recording [an] identification information of a manufacturer of [a] the recording apparatus [that recorded or modified the content of the recording medium different from] on a recording medium when the identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or [the] modification.

12. (as ONCE AMENDED) The method of claim 11, further comprising:

recording a product identification code of the recording apparatus of the manufacturer that modified the content of the recording medium by performing recording/editing on the recording medium.

13. (THREE TIMES AMENDED) A method of recording/reproducing content on a rewritable recording medium with a recording/reproducing apparatus using manufacturer information recorded on the recording medium, comprising:

verifying a coincidence of [an] identification information recorded on the recording medium of a manufacturer of a device which recorded or modified the content of the recording medium [and a] against manufacturer identification information of the recording/reproducing apparatus to determine whether [a] manufacturer specific information of the recording/reproducing apparatus is effective, wherein the identification information of the manufacturer is different from a pre-recorded manufacturer [the] identification information on the recording medium, prior to the recording or the modification.

14. (as TWICE AMENDED) The method of claim 13, further comprising:

verifying the coincidence of an identification information of a product that modified the content of the recording medium and a product identification code of the recording/reproducing apparatus to determine whether the manufacturer specific information of the recording/reproducing apparatus is effective.

15. (THREE TIMES AMENDED) A recording method of recording content on a rewritable recording medium, comprising:

modifying the content on the recording medium; and

recording [a] manufacturer identification information of a recording apparatus [indicating a manufacturer of the recording apparatus which recorded or modified the content of the recording medium different from] on the recording medium when the manufacturer identification information is different from a pre-recorded manufacturer identification information on the recording medium, prior to the recording or the modification.

16. (as TWICE AMENDED) The recording method of claim 15, further comprising:

recording a product information code indicating a product model of the recording apparatus that modified the content of the recording medium.

17. (as ONCE AMENDED) The recording method of claim 16, further comprising:

recording an operation code indicating information on an operation performed by the recording apparatus other than reproduction of the content of the recording medium.

18. (UNAMENDED) The recording method of claim 17, wherein the operation code information is compatible for a plurality of different manufacturers.

19. (UNAMENDED) The recording method of claim 15, further comprising:

recording a manufacturer information item specific to the manufacturer of the recording apparatus, and a manufacturer code to indicate the manufacturer of the manufacturer information item.

20. (UNAMENDED) The recording method of claim 16, further comprising:

recording a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item.

21. (UNAMENDED) The recording method of claim 20, further comprising:

recording time information indicating a time when the manufacturer information item is

recorded on the recording medium.

22. (as ONCE AMENDED) The recording method of claim 20, further comprising:

recording the manufacturer code and the product code at a beginning part of the manufacturer information item.

23. (UNAMENDED) The recording method of claim 19, further comprising:

recording a search pointer indicating a starting address of the manufacturer information item.

24. (UNAMENDED) The recording method of claim 19, further comprising:

updating a number of total manufacturer information items recorded on the recording medium.

25. (as ONCE AMENDED) The recording method of claim 24, further comprising:

determining whether the number of total manufacturer information items exceeds a predetermined limit, and if so, deleting an oldest manufacturer information item stored on the recording medium.

26. (as ONCE AMENDED) The recording method of claim 16, further comprising:

recording an address of manufacturer information which includes the manufacturer identification information and the product information code.

27. (as TWICE AMENDED) The recording method of claim 17, further comprising:

recording an last address of manufacturer information which includes the manufacturer identification information, the product information code, and the operation code.

28. (THREE TIMES AMENDED) A method of modifying content on a recording medium, comprising:

recording on the recording medium [a] manufacturer identification information of a recording and reproducing apparatus [indicating a manufacturer of the recording and reproducing apparatus that recorded or modified the content of the recording medium different from] <u>when</u> the manufacturer identification information <u>is different from a pre-recorded manufacturer identification information on the recording medium,</u> prior to the recording or the

modification; and

reading a manufacturer identification information, determining whether the content is effective based upon whether the read manufacturer identification information matches that of the recording and reproducing apparatus, and reading the content if the content is effective.

29. (as ONCE AMENDED) The method of claim 28, further comprising:

reading the content of the recording medium to determine whether the content is effective if the determination is that the read manufacturer identification information does not match that of the recording and reproducing apparatus, and reproducing the content read if the content read is determined to be effective.

30. (as ONCE AMENDED) The method of claim 28, further comprising:

updating only manufacturer information item specific to the manufacturer of the recording and reproducing apparatus, and not updating other manufacturer information items recorded on the recording medium.

31. (THREE TIMES AMENDED) A reproduction method of reproducing content from a recording medium on which [a] manufacturer identification information, the reproduction method comprising:

reading the manufacturer identification information of a manufacturer of an apparatus [that recorded or modified the content of the recording medium different from] <u>on the recording medium when</u> the manufacturer identification information <u>is different from a pre-recorded manufacturer identification information on the recording medium,</u> prior to the recording or the modification; and

determining whether to read the content based upon the read manufacturer identification information.

32. (UNAMENDED) The reproduction method of claim 31, wherein the recording medium has a product information code indicating a product model of the apparatus that modified the content of the recording medium on the recording medium, the reproduction method further comprising:

reading the product model; and

determining whether to read the content based upon the read product model.

33. (as ONCE AMENDED) The reproduction method of claim 31, wherein the recording medium has an operation code indicating information on an operation performed by the recording apparatus that modified the content of the recording medium, the reproduction method further comprising:

reading the operation code; and

determining how to modify the content based upon the read operation code.

34. (UNAMENDED) The reproduction method of claim 32, wherein the recording medium has a manufacturer information item specific to the manufacturer, and a manufacturer code to indicate the manufacturer of the manufacturer information item, the reproduction method further comprising:

reading the manufacturer code; and

determining whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing apparatus.

35. (UNAMENDED) The reproduction method of claim 32, wherein the recording medium has a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item, the reproduction method further comprising:

reading the manufacturer code and the product code; and

determining whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing apparatus and the product code matches a code relating to the product model of the reproducing apparatus.

36. (UNAMENDED) The reproduction method of claim 35, wherein the recording medium has time information indicating a time when the manufacturer information item is recorded on the recording medium, the reproduction method further comprising:

reading the time information and processing the read time information.

37. (UNAMENDED) The reproduction method of claim 34, wherein the recording medium has a search pointer indicating a starting address of the manufacturer information item, the reproduction method further comprising:

reading the search pointer and then reading the manufacturer information item at the

starting address thereof.

38. (as ONCE AMENDED) The reproduction method of claim 31, further comprising:

determining whether the read manufacturer identification information matches a code of a current reproducing apparatus relating to a manufacturer of the reproducing apparatus;

reading the content for reproduction if there is a match for reproduction of the content;

reading the content if there is not the match for analyzing the content; and

reproducing the content if there is the match or if the analysis indicates the content is reproducible by a current reproducing.

39. (UNAMENDED) The method of claim 11, wherein the identification information corresponds to the manufacturer of the recording apparatus that last recorded or modified the content of the recording medium.

40. (UNAMENDED) The method of claim 13, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

41. (UNAMENDED) The recording method of claim 15, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

42. (UNAMENDED) The method of claim 28, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

43. (UNAMENDED) The reproduction method of claim 31, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.